

# HEREDITY AND GENETICS for Middle School Teachers

**Dates:** July 6-8 and 10-11, 2006 (Thursday-Saturday, and Monday-Tuesday)

**Location:** Eccles Institute of Human Genetics, University of Utah

**Target Audience:** Middle school teachers (7<sup>th</sup> and 8<sup>th</sup> grade Integrated Science, Earth Systems, or any teacher without an undergraduate Biology major)

**Credit:** 3-semester hours of University of Utah graduate credit from the Department of Human Genetics or Utah State Office of Education In-service credit

**Instructors:** Andee Bouwhuis, Science Teacher, Bingham High School, Dr. Louisa Stark, Director, University of Utah Genetic Science Learning Center

**Registration Fee & Deposit:** \$250 registration fee; \$50 deposit payable to "University of Utah"

---

**Send deposit to:** Connie Barth, Genetic Science Learning Center, 15 N 2030 E, SLC, UT 84112-5330

Phone: (801) 585-3390; Email: [connie.barth@genetics.utah.edu](mailto:connie.barth@genetics.utah.edu)

## Course description:

### *Learn how you can engage your students' interest in Science Core Curriculum topics*

In this course you'll learn the science behind the news stories that excite students' interest in heredity and genetics. We'll begin with the basics of DNA and how it serves as "the blueprint for life". We'll then explore topics in the 7<sup>th</sup> grade Core Curriculum – reproductive strategies and adaptations. Finally, we'll learn about genetic technologies - including DNA fingerprinting, stem cells and cloning - and explore bioethical issues related to their use. Talks by University scientists about the cutting-edge research they're carrying out and a visit to a lab will enrich your learning experiences.

### *Take home the tools to inspire curiosity in your students*

You'll take home curriculum materials and lesson plans for active learning as well as teaching, learning and assessment strategies applicable to any subject. All course materials directly address the Utah State Science Core Curriculum Standards in heredity and genetics.





# 2006 Science Professional Development Registration Form

*(Duplicate as Necessary)*

**Workshop Contact:**

**Mail/Fax to:**

**Sessions fill on a first-come basis. Register early to secure your place.**

Workshop Title	Date	Location	Registration Fee
			\$250.00

**Contact Information:**

Teacher: \_\_\_\_\_  
District: \_\_\_\_\_  
School: \_\_\_\_\_  
Grade Level/Subject: \_\_\_\_\_  
Home Address: \_\_\_\_\_  
\_\_\_\_\_  
City: \_\_\_\_\_ Zip: \_\_\_\_\_  
Home phone: \_\_\_\_\_  
School phone: \_\_\_\_\_  
Fax number: \_\_\_\_\_  
e-mail: \_\_\_\_\_

**Commitment to Attend & District Approval:**

I understand that I am committing to this workshop and I will cancel at least two weeks prior to the workshop if I am unable to attend.

Teacher Signature: \_\_\_\_\_  
\_\_\_\_\_

Signature of Principal or District Representative indicates source of registration payment for workshop:

☐ **PERSONAL** Check # \_\_\_\_\_ enclosed **OR**

☐ **SCHOOL** \_\_\_\_\_ **OR**  
Principal

☐ **DISTRICT** \_\_\_\_\_  
District Representative

*\*Please contact your school or district to determine if approval is needed prior to registration.*

☐ Bill to this Address

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Return this completed registration form and your refundable deposit check to the workshop contact listed above.*

**A separate registration form must be submitted for each workshop you plan to attend.**